

What is claimed is:

1. A driver for driving a plasma display panel, wherein the plasma display panel includes a plurality of address electrode, a plurality of X electrode and a plurality of Y electrode, said driver comprising:

5 an address driver;

an X driver; and

a Y driver,

wherein the plurality of X electrodes and the plurality of Y electrodes are arranged alternately next to each other forming a XY electrode pair group and in substantially

10 perpendicular to the to the plurality of address electrode,

wherein the XY electrode pairs are divided into a plurality of XY electrode pair groups,

and

wherein at least one of the X driver and the Y driver comprises a plurality of driving circuits corresponding to the plurality of XY electrode pair groups.

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2. The driver of claim 1, wherein the plurality of driving circuits operate independently to perform an addressing operation and a display sustain discharge operation alternately and to apply a voltage for display-sustain discharge only to an XY electrode pair group that has already been addressed.

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3. The driver of claim 1, wherein each of the plurality of driving circuits of the Y driver comprises:

a scan circuit that sequentially applies a scan pulse to the plurality of Y electrodes for addressing; and

a sustain circuit that simultaneously applies periodical display-sustain pulses of the alternating current voltage to the plurality of Y electrodes.

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4. The driver of claim 3, wherein the scan circuit comprises:

a switching output current; and

a scan driving circuit.

10 5. The driver of claim 4, wherein the switching output circuit comprises:

an upper transistor;

a lower transistor; and

a common output line for the upper transistor and the lower transistor,

wherein the common output line is coupled to one of the plurality of Y electrode.

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6. The driver of claim 5, wherein the scan circuit is coupled to an upper common power line of the upper transistor and to a lower common power line of the lower transistor to apply a scan voltage to one of the plurality of Y electrode that is scanned during an addressing period and to apply a scan bias voltage to one of the plurality of Y electrode that is not scanned during the
20 addressing period.

7. The driver of claim 6, wherein an output of the sustain circuit is applied to one of the upper common power line and the lower common power line via the scan driving circuit.

8. The driver of claim 3, wherein the Y driver further comprises a single reset circuit that performs a reset operation for having a state of charges in every display cell uniform.

5 9. The driver of claim 8, wherein the X driver comprises a single reset circuit that operates together with the reset circuit of the Y driver.

10. The driver of claim 8, wherein each of the plurality of driving circuits of the X driver comprises a sustain circuit which simultaneously applies periodical display-sustain pulses of the
10 alternating current voltage to the X electrode lines.

11. The driver of claim 2, wherein each of the plurality of driving circuits of the Y driver drives Y electrodes of a corresponding XY electrode pair group, each of the plurality of driving circuits of the X driver drives X electrodes of a corresponding XY electrode pair group, wherein
15 an XY electrode pair group including the plurality of Y electrodes driven by one among the plurality of driving circuits of the Y driver is not the same as an XY electrode pair group including the plurality of the X electrodes driven by one among the plurality of driving circuits of the X driver.

20 12. A plasma display panel device, comprising:
a plasma display panel;
a video processor;
a logic controller;

an X driver that controls a plurality of X electrodes;
a Y driver that controls a plurality of Y electrodes; and
an address driver that controls a plurality of address electrodes,
wherein the plurality of Y electrodes and the plurality of X electrodes are arranged
5 alternately next to each other forming XY electrode pairs,
wherein the XY electrode pairs are divided into a plurality of XY electrode pair groups,
and
at least one of the X driver and the Y driver comprises a plurality of driving circuits
corresponding to the plurality of XY electrode pair groups.